

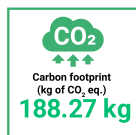
# Aluminium column SAL-100M

180 mm at the base plate



## TECHNICAL DATA

|                                                          |                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Anodising</b>                                         | 10 colours                                                                                                                                                                                                                                                                                                    |
| <b>Luminaire mounting</b>                                | directly on the column, luminaires with mounting ø60 mm with weight and surface parameters not exceeding the data from the strength table included in the technical data sheet                                                                                                                                |
| <b>Extension arm type</b>                                | according to resistance calculations                                                                                                                                                                                                                                                                          |
| <b>Packing</b>                                           | sleeve material                                                                                                                                                                                                                                                                                               |
| <b>Performance under vehicle impact (passive safety)</b> | 50-NE-C-S-SE-MD-0,<br>70-NE-C-S-SE-MD-0,<br>100-NE-C-S-SE-MD-0                                                                                                                                                                                                                                                |
| <b>Diameter at the base plate</b>                        | 180 mm                                                                                                                                                                                                                                                                                                        |
| <b>Finish</b>                                            | brushed anodised aluminium - anode coating thickness is 20µm as standard (coating thickness of 25µm is also possible), option of elastomer protection in column's colour up to a height of 350 mm (other height on customer's request) - the thickness of the protective coating ranges from 0.8 mm to 1.2 mm |
| <b>Ingress protection</b>                                | IP54 for wire chamber                                                                                                                                                                                                                                                                                         |
| <b>Diameter of the column ending</b>                     | ø60 x 180 mm adapted to the installation of ROSA extension arms (with the effect of a facing head) and ROSA luminaires (according to the assembly parameter included in the luminaire technical data sheet)                                                                                                   |



## TABLE OF VARIANTS

| Code       | Symbol   | Height of the column [H] | Wall thickness | Unit volume | Concrete footing / reinforcement basket type | Concrete footing / reinforcement basket code | Fasteners | Net weight |
|------------|----------|--------------------------|----------------|-------------|----------------------------------------------|----------------------------------------------|-----------|------------|
| 42759/C... | SAL-100M | 10 m                     | 4.3 mm         | 0.654 m³    | B-71, B-70 / Z-71, Z-70                      | 311171, 311170 / 311271, 311207              | 4012      | 56.3 kg    |

## STRENGTH TABLE

| SAL-100M              |                       | Acceptable windage of single luminaire[m²] for Cx=1 |                             |                                                    |                              |                                                 |
|-----------------------|-----------------------|-----------------------------------------------------|-----------------------------|----------------------------------------------------|------------------------------|-------------------------------------------------|
| code 42759            |                       |                                                     | Vref. = 22 m/s              | Vref. = 24 m/s                                     | Vref. = 26 m/s               | Vref. = 28 m/s                                  |
| code of extension arm | type of extension arm | permissible weight of a single luminaire [kg]       | zone I, terrain category II | zone I & III, terrain category II up to 450m a.s.l | zone II, terrain category II | zone III, terrain category II up to 755m a.s.l. |
| -                     | -                     | 50                                                  | 0,43                        | 0,33                                               | 0,25                         | 0,20                                            |
| 472021                | WR-2/1/0,95/5         | 15                                                  | 0,30                        | 0,22                                               | 0,15                         | 0,11                                            |
| 472022                | WR-2/2/0,95/5         | 15                                                  | 0,13                        | 0,08                                               | x                            | x                                               |
| 472023                | WR-2/3/0,95/5         | 15                                                  | 0,09                        | 0,05                                               | x                            | x                                               |
| 472041                | WR-4/1/0,6/15         | 15                                                  | 0,37                        | 0,27                                               | 0,20                         | 0,15                                            |
| 472042                | WR-4/2/0,6/15         | 15                                                  | 0,17                        | 0,12                                               | 0,07                         | 0,05                                            |
| 47204105              | WR-4/1/0,5/5          | 15                                                  | 0,39                        | 0,29                                               | 0,21                         | 0,17                                            |
| 47204205              | WR-4/2/0,5/5          | 15                                                  | 0,18                        | 0,13                                               | 0,08                         | 0,06                                            |
| 47204110              | WR-4/1/1,0/5          | 15                                                  | 0,31                        | 0,23                                               | 0,16                         | 0,12                                            |
| 47204210              | WR-4/2/1,0/5          | 15                                                  | 0,14                        | 0,09                                               | 0,05                         | x                                               |
| 4720419               | WR-4/1/0,6/15 ZP      | 15                                                  | 0,37                        | 0,27                                               | 0,20                         | 0,15                                            |
| 4720429               | WR-4/2/0,6/15 ZP      | 15                                                  | 0,17                        | 0,12                                               | 0,07                         | 0,05                                            |
| 472041059             | WR-4/1/0,5/5 ZP       | 15                                                  | 0,39                        | 0,29                                               | 0,21                         | 0,17                                            |
| 472042059             | WR-4/2/0,5/5 ZP       | 15                                                  | 0,18                        | 0,13                                               | 0,08                         | 0,06                                            |
| 472041109             | WR-4/1/1,0/5 ZP       | 15                                                  | 0,31                        | 0,23                                               | 0,16                         | 0,12                                            |
| 472042109             | WR-4/2/1,0/5 ZP       | 15                                                  | 0,14                        | 0,09                                               | 0,05                         | x                                               |
| 472041159             | WR-4/1/1,5/5 ZP       | 15                                                  | 0,25                        | 0,17                                               | 0,11                         | 0,07                                            |
| 472042159             | WR-4/2/1,5/5 ZP       | 15                                                  | 0,11                        | 0,05                                               | x                            | x                                               |
| 472501                | WR-5A/1/0,6/15        | 15                                                  | 0,28                        | 0,20                                               | 0,13                         | 0,09                                            |
| 472502                | WR-5A/2/0,6/15        | 15                                                  | 0,11                        | 0,07                                               | x                            | x                                               |

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|          |                 |    |      |      |      |      |
|----------|-----------------|----|------|------|------|------|
| 47250106 | WR-5A/1/0,6/5   | 15 | 0,27 | 0,19 | 0,12 | 0,08 |
| 47250206 | WR-5A/2/0,6/5   | 15 | 0,11 | 0,07 | x    | x    |
| 472801   | WR-8A/1/0,6/10  | 15 | 0,28 | 0,20 | 0,13 | 0,09 |
| 47280106 | WR-8A/1/0,6/5   | 15 | 0,28 | 0,20 | 0,13 | 0,09 |
| 47280110 | WR-8A/1/1,0/5   | 15 | 0,23 | 0,16 | 0,10 | 0,06 |
| 472831   | WR-8B/1/0,35/0  | 15 | 0,36 | 0,27 | 0,19 | 0,15 |
| 472841   | WR-8B/1/0,35/5  | 15 | 0,36 | 0,27 | 0,19 | 0,15 |
| 472851   | WR-8B/1/0,35/10 | 15 | 0,37 | 0,27 | 0,19 | 0,15 |
| 472141   | WR-14/1/1,0/5   | 15 | 0,24 | 0,16 | 0,10 | 0,06 |
| 472142   | WR-14/2/1,0/5   | 15 | 0,08 | x    | x    | x    |
| 472151   | WR-15/1/1,0/5   | 15 | 0,26 | 0,18 | 0,11 | 0,07 |
| 472152   | WR-15/2/1,0/5   | 15 | 0,11 | 0,05 | x    | x    |
| 472211   | WR-21/1/1,5/0   | 15 | 0,17 | 0,09 | x    | x    |
| 472101   | WR-T1/1,5/5     | 15 | 0,19 | 0,11 | 0,05 | x    |
| 47219111 | WRP 1/1,0/0,7/5 | 15 | 0,27 | 0,19 | 0,12 | 0,08 |
| 47219112 | WRP 1/1,0/1,2/5 | 15 | 0,21 | 0,13 | 0,07 | x    |
| 47219121 | WRP 1/1,5/0,7/5 | 15 | 0,21 | 0,14 | 0,08 | x    |
| 47219211 | WRP 2/1,0/0,7/5 | 15 | 0,11 | 0,06 | x    | x    |
| 47219212 | WRP 2/1,0/1,2/5 | 15 | 0,07 | x    | x    | x    |
| 47219221 | WRP 2/1,5/0,7/5 | 15 | 0,08 | x    | x    | x    |
| 47219311 | WRP 3/1,0/0,7/5 | 14 | 0,08 | x    | x    | x    |
| 47219321 | WRP 3/1,5/0,7/5 | 12 | 0,06 | x    | x    | x    |
| 473010   | WN-1            | 15 | 0,48 | 0,36 | 0,27 | 0,21 |
| 473020   | WN-2            | 15 | 0,21 | 0,16 | 0,11 | 0,09 |
| 473030   | WN-3            | 15 | 0,15 | 0,11 | 0,07 | 0,06 |
| 473040   | WN-4            | 12 | 0,11 | 0,08 | 0,06 | 0,04 |
| 473210   | WN-21           | 15 | 0,17 | 0,12 | 0,07 | 0,05 |
| 473420   | WN-42           | 12 | 0,07 | 0,05 | x    | x    |
| 473211   | WN-21 REG       | 15 | 0,13 | 0,08 | x    | x    |

## ANODISING COLOURS

